Certifications To-Do List for Escape Plan

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Legend

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| Cer | tifications for CV Enhancement |
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| Esse | ential Certifications |
| | Bioinformatics Specialization by UC San Diego (Coursera: \$49/month) |
| | Core bioinformatics tools and techniques: genome assembly, sequence alignment. |
| | Nextflow Training (Seqera Labs: \$200) |
| | Workflow orchestration for scalable genomic pipelines. |
| | Microsoft Certified: Azure Data Engineer Associate |
| | Cloud resources for large-scale data processing. |
| | Python for Everybody (Coursera, Free with Audit) |
| | Python programming fundamentals for data analysis and automation. |
| | Linux Foundation Certified Engineer (LFCE) (\$300) |
| | Advanced Linux skills for workflow automation. |
| | Google Project Management Certificate |
| | Covers Agile, Scrum, and project lifecycle. |
| | Successful Negotiation: Essential Strategies (Coursera, Free) |
| | Communication and persuasion skills. |
| | Business Foundations Professional Certificate (Wharton School, edX: \$149/month) |
| | Essentials of business decision-making, leadership, and financial acumen. |
| Dak | not Contifications |
| KOD | ust Certifications |
| | Harvard Medical School: Reproducible Science |
| | Emphasizes computational rigor and statistical tools. |
| | DeepLearning.AI TensorFlow Developer Certificate |
| | Master TensorFlow and apply machine learning to bioinformatics datasets. |
| | Google Cloud Professional Data Engineer (\$125 for exam) |
| | Design and deploy scalable data solutions on Google Cloud. |
| | EDX: Genomic Data Science by Johns Hopkins |
| | Introduction to tools like Galaxy, Python, and R for genomic analysis. |
| | Certified Kubernetes Administrator (CKA) (\$375) |

Containerized workflow management and orchestration for scalable pipelines.

| | Coursera: Machine Learning by Stanford (Free Trial Available) |
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| | Introduction to ML techniques and applications, taught by Andrew Ng. |
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| Opt | ional Certifications |
| | AWS Certified Solutions Architect – Associate (\$150 for exam) |
| | Cloud-based solution design for scalability and efficiency. |
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| Ш | Udemy: Python for Data Science and Machine Learning |
| | Practical Python skills for bioinformatics and data science applications. |
| | Intro to Computational Biology (MIT OpenCourseWare) |
| ш | intro to Computational Diology (MITT OpenCourse wate) |
| | A foundational course covering algorithms and computational techniques in biology. |
| П | HubSpot Academy: Inbound Marketing Certification (Free) |
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| | Teaches marketing basics, ideal for consulting gigs or promoting personal services. |
| | Introduction to Business Management (University of Edinburgh, edX) |
| | General understanding of business operations and management. |